

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1-3 CANCELLED

4. (PREVIOUSLY PRESENTED) A recording and/or reproducing apparatus for recording and/or editing content on a recording medium, comprising:

a recording controller to record manufacturer information to support a manufacturer's specific function,

wherein the manufacturer information comprises

an identification information of the manufacturer of a recording apparatus that recorded or modified the content of the recording medium different from the identification information prior to the recording or the modification, and

a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information.

5. (PREVIOUSLY PRESENTED) The recording and/or reproducing apparatus of claim 4, wherein the manufacturer information further comprises an identification information of a product that modified the content of the recording medium.

6. (PREVIOUSLY PRESENTED) The recording and/or reproducing apparatus of claim 4, wherein the manufacturer information has a maximum number of manufacturer information items, and if the number of manufacturer information items exceeds the maximum number of manufacturer information items, then the recording controller deletes an oldest one of the manufacturer information items.

7. (PREVIOUSLY PRESENTED) A recording apparatus to record content on a recording medium, comprising:

a device to record a manufacturer identification information of the recording apparatus on the recording medium in response to the recording apparatus modifying the content, wherein the manufacturer information comprises

an identification information of the manufacturer of the recording apparatus that recorded or modified the content of the recording medium different from the identification information prior to the recording or the modification, and

a last address of the manufacturer information for the recording apparatus to identify the last address of the manufacturer information.

8. (PREVIOUSLY PRESENTED) A reproducing apparatus for reproducing content, including audio, video, and/or information data, from a rewritable recording medium, comprising:

a reproducing controller to reproduce the content, formatted information for the content and manufacturer information to support a manufacturer's specific function,

wherein the manufacturer information comprises

an identification information of the manufacturer of a recording apparatus that recorded or modified the content of the recording medium different from the identification information prior to the recording or the modification, and

a last address of the manufacturer information for the reproducing apparatus to identify the last address of the manufacturer information.

9. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 8, wherein the manufacturer information further comprises a product identification information of the recording apparatus that modified the content of the recording medium.

10. (PREVIOUSLY PRESENTED) A reproducing apparatus to reproduce content and information on a recording medium, which comprises manufacturer information to support a specific function of a manufacturer, the reproducing apparatus comprising:

a device to check an identification information of the manufacturer and an identification information in the information recorded on the recording medium to determine a manufacturer that recorded or modified the content on the recording medium different from the identification information prior to the recording or the modification, wherein the manufacturer information comprises a last address of the manufacturer information for the reproducing apparatus to identify the last address of the manufacturer information.

11-14 CANCELLED

15. (PREVIOUSLY PRESENTED) The recording apparatus of claim 7, wherein the device comprises:

a coder to compression-code an A/V signal according to a predetermined compression scheme;

a signal processor to modulate the compression-coded A/V signal;

a radio frequency amplifier to convert the modulated signal into a radio frequency signal;

an optical pickup to record the radio frequency signal as the manufacturer identification information on the recording medium;

a servo unit to control servo of the optical pickup based upon read signals from the radio frequency amplifier; and

a system controller to control the coder, the signal processor, the optical pickup, and the servo unit.

16. (PREVIOUSLY PRESENTED) The recording apparatus of claim 7, wherein the device records a product information code indicating a product model of the recording apparatus that modified the content of the recording medium on the recording medium.

17. (ORIGINAL) The recording apparatus of claim 16, wherein the device records an operation code indicating information on an operation performed by the recording apparatus other than reproduction on the content on the recording medium.

18. (ORIGINAL) The recording apparatus of claim 17, wherein the operation code information is compatible for a plurality of different manufacturers.

19. (ORIGINAL) The recording apparatus of claim 7, wherein the device records a manufacturer information item specific to the manufacturer, and a manufacturer code to indicate the manufacturer of the manufacturer information item.

20. (ORIGINAL) The recording apparatus of claim 16, wherein the device records a manufacturer information item specific to the manufacturer, a manufacturer code to indicate the manufacturer of the recording apparatus of the manufacturer information item, and a product code to indicate a product model of the recording apparatus of the manufacturer information item.

21. (ORIGINAL) The recording apparatus of claim 20, wherein the device records time information indicating a time when the manufacturer information item is recorded on the recording medium.

22. (ORIGINAL) The recording apparatus of claim 20, wherein the device records the manufacturer codes and the product codes at a beginning part of the manufacturer information item.

23. (ORIGINAL) The recording apparatus of claim 19, wherein the device records a search pointer indicating a starting address of the manufacturer information item.

24. (ORIGINAL) The recording apparatus of claim 19, wherein the device updates a number of total manufacturer information items recorded on the recording medium.

25. (ORIGINAL) The recording apparatus of claim 24, wherein the recording apparatus determines whether the number exceeds a predetermined limit, and if so, deletes an oldest manufacturer information item stored on the recording medium.

26. (PREVIOUSLY PRESENTED) The recording apparatus of claim 16, wherein the device records a last address of manufacturer information which includes the manufacturer identification information and the product information code.

27. (PREVIOUSLY PRESENTED) the recording apparatus of claim 17, wherein the device records a last address of manufacturer information which includes the manufacturer identification information, the product code, and the operation code.

28. (PREVIOUSLY PRESENTED) A recording and/or reproducing apparatus to record and/or reproduce content on a recording medium, which comprises manufacturer information to support a specific function of a manufacturer, the recording and/or reproducing apparatus comprising:

a recorder to record on the recording medium a manufacturer identification information of the recording and/or reproducing apparatus indicating the manufacturer of the recording and/or reproducing apparatus as the one to record or modify the content of the recording medium different from the identification information prior to the recording or the modification,

wherein the manufacturer information comprises a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information; and

a reproducer to read the manufacturer identification information, determine whether the content is effective based upon whether the read manufacturer identification information matches that of the recording and/or reproducing apparatus, and read the content if the content is effective.

29. (ORIGINAL) The recording and reproducing apparatus of claim 28, wherein if the reproducer determines that the read manufacturer identification information does not match that of the recording and reproducing apparatus, the reproducer reads the content of the recording medium to determine whether the content is effective.

30. (ORIGINAL) The recording apparatus of claim 4, wherein the manufacturer information further comprises a manufacturer information item specific for the manufacturer of the recording apparatus, wherein the recorder updates only the manufacturer information item and does not update other manufacturer information items already recorded on the recording medium.

31. (PREVIOUSLY PRESENTED) A reproducing apparatus to reproduce content from a recording medium on which manufacturer information comprising a manufacturer identification information of a manufacturer of an apparatus that modified the content of the recording medium, the reproducing apparatus comprising:

an optical pickup to read the manufacturer identification information; and

a processor to reproduce manufacturer identification information of the apparatus that recorded or modified the content based upon the read manufacturer identification information different from the manufacturer identification information prior to the recording or the modification, wherein the manufacturer information comprises a last address of the manufacturer information for the reproducing apparatus to identify the last address of the manufacturer information.

32. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 31, wherein the processor comprises:

a radio frequency amplifier to convert an optical signal of the read manufacturer

identification information and the read content to an electrical signal and extracts a servo signal from the optical signal;

a signal processor to perform error correction coding and demodulate the optical signal;

a decoder to decode the error corrected demodulated signal;

a servo unit to control servo of the optical pickup based upon the servo signal; and

a system controller to control the radio frequency amplifier, the signal processor, the decoder, and the servo unit.

33. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 31, wherein the recording medium has a product information code indicating a product model of the apparatus that modified the content of the recording medium on the recording medium, the optical pickup reads the product model, and the processor determines whether to read the content based upon the read product model.

34. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 31, wherein the recording medium has an operation code indicating information on an operation performed by the recording apparatus that modified the content of the recording medium, the optical pickup reads the operation code and the processor determines how to modify the content based upon the read operation code.

35. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 33, wherein the recording medium has a manufacturer information item specific to the manufacturer, and a manufacturer code to indicate the manufacturer of the manufacturer information item, wherein the optical pickup reads the manufacturer code and the processor determines whether to read the manufacturer information item if the manufacturer code matches a code relating to the manufacturer of the reproducing apparatus.

36. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 33, wherein the recording medium has a manufacturer information item specific to the manufacturer, a manufacturer code to indicate the manufacturer of the recording apparatus of the manufacturer information item, and a product code to indicate a product model of the recording apparatus of the manufacturer information item, wherein the optical pickup reads the manufacturer code and the product code, and the processor determines whether to read the manufacturer information item if the manufacturer code matches a code relating to the manufacturer of the reproducing

apparatus and the product code matches a code relating to the product model of the reproducing apparatus.

37. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 36, wherein the recording medium has time information indicating a time when the manufacturer information item is recorded on the recording medium, the optical pickup reads the time information and the processor processes the read time information.

38. (ORIGINAL) The reproducing apparatus of claim 35, wherein the recording medium has a search pointer indicating a starting address of the manufacturer information item, the optical pickup reads the search pointer and then reads the manufacturer information item at the starting address thereof.

39. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 31, wherein the processor determines whether the read manufacturer identification information matches a code of a current reproducing apparatus relating to a manufacturer of the current reproducing apparatus, controls the optical pickup to read the content if there is a match for reproduction of the content, controls the optical pickup to read the content if there is not the match for analyzing the content, and reproduces the content if there is the match or if the analysis indicates the content is reproducible by the current reproducing apparatus.

40. (PREVIOUSLY PRESENTED) The recording apparatus of claim 4, wherein the identification information of the manufacturer corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

41. (PREVIOUSLY PRESENTED) The recording apparatus of claim 7, wherein the identification information of the manufacturer corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

42. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 8, wherein the identification information of the manufacturer corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

43. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 10, wherein

the identification information of the manufacturer corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

44. (PREVIOUSLY PRESENTED) The recording and reproducing apparatus of claim 28, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

45. (PREVIOUSLY PRESENTED) The reproducing apparatus of claim 31, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

46. (PREVIOUSLY PRESENTED) The recording apparatus of claim 4, wherein when the identification information of the recording apparatus which modified the recording medium is the same as an identification information for the current recording apparatus and the editing is complete, the manufacturer information item is updated by analyzing the content of the manufacturer information item corresponding to the modified content to determine whether the manufacturer information item for the manufacturer is effective to perform the recording, the modification, and/or reproduction.

47. (PREVIOUSLY PRESENTED) The recording and/or reproducing apparatus of claim 4, wherein
the manufacturer information comprises a manufacturer information header comprising at least one of
a number of manufacturer information items,
the identification information of the manufacturer of the recording apparatus that modified the content of the recording medium,
product code information indicating a product model of the recording apparatus that modified the content of the recording medium,
a manufacturer code corresponding to the number of manufacturer information items,
product codes of the respective manufacturer information items,
a file name of an additional file for individual information, and
a time in which individual information is recorded, and
the number of manufacturer information items, the file name of the additional file for

individual information, and the time in which the individual information is recorded are recorded at a beginning part of respective manufacturer information items.